

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
19 December 2002 (19.12.2002)

PCT

(10) International Publication Number
WO 02/101010 A2(51) International Patent Classification⁷:

C12N

(21) International Application Number: PCT/US02/17959

(22) International Filing Date: 6 June 2002 (06.06.2002)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/296,992 7 June 2001 (07.06.2001) US

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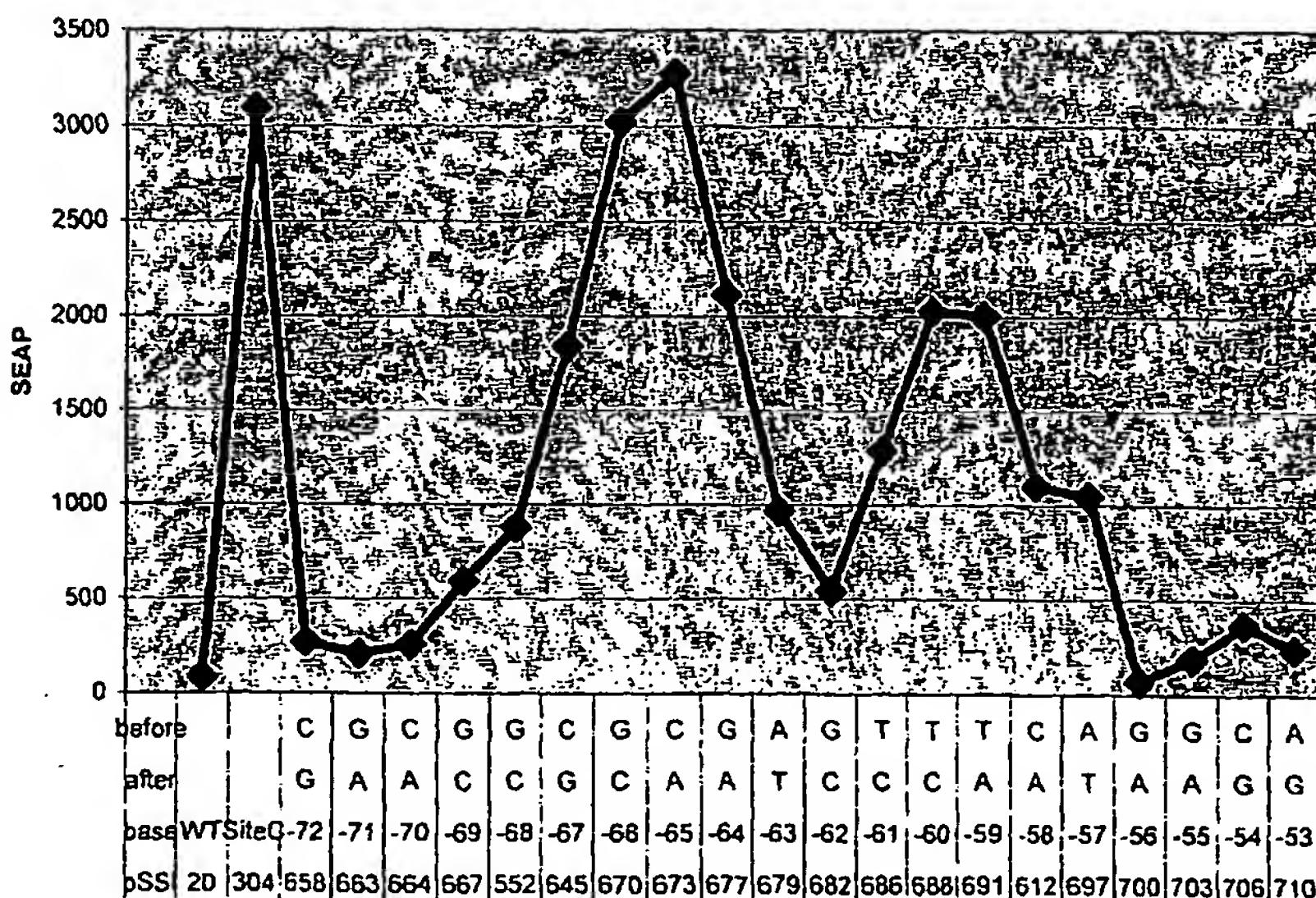
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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent

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(54) Title: METHODS AND COMPOSITIONS FOR MODULATING TELOMERASE REVERSE TRANSCRIPTASE (TERT) EXPRESSION



(57) Abstract: Methods and compositions are provided for modulating, and generally upregulating, the expression of telomerase reverse transcriptase (TERT) by blocking repression of TERT transcription, e.g., by inhibiting binding of repressor factor to a Site C repressor binding site, e.g., Site C2 and/or Site C3, located in the TERT gene. The subject methods and compositions find use in a variety of different applications, including the immortalization of cells, the production of reagents for use in life science research, therapeutic applications; therapeutic agent screening applications; and the like. In further describing the subject invention, the methods and compositions of the invention are described first in greater detail, followed by a review of the various applications in which the subject invention finds use.

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